

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claim 1 (Currently Amended) Dispensing device for dispensing or discharging a liquid or viscous substance (2), ~~preferably feedstuff~~, wherein:

at least one pump means (4) is provided to perform pump motions for sucking said substance (2) into the dispensing device (1) and dispense or discharge it therefrom,

~~the pump means (4)~~ the pump means (4) comprises an elastic dome shaped member (16) which is provided to divide inner parts of the dispensing device (1) into at least one suction chamber (30) and at least one dispensing or discharge chamber (31) which are interconnected through at least one transfer chamber (32),

~~the pump means (4)~~ dome shaped member (16) is provided to be brought to perform a first pump motion in one direction (A) by being pressed or pushed inwards, ~~during a first pump motion in one direction (A),~~ is provided to suck substance (2) into the suction chamber (30) and simultaneously dispense or discharge substance (2) from the discharge chamber (31), and

~~the pump means (4)~~ dome shaped member (16), when pressure ceases, performs ~~during~~ a second pump motion in the opposite direction (D) relative to the first pump motion while said dome shaped member (16) automatically returns to its original dome shape, ~~is provided to feed thereby feeding~~ substance (2) from the

suction chamber (30) and through the transfer chamber (32) into the discharge chamber (31).

Claim 2 (Original) Dispensing device according to claim 1, wherein:

at least one first non-return valve (20) is provided to open a substance inlet opening (23) through which substance (2) can be sucked into the suction chamber (30), but close said inlet opening (23) when substance (2) pass through the transfer chamber (32) into the discharge chamber (31), and

at least one second non-return valve (24) is provided to open at least one substance transfer opening (11) through which substance (2) can be sucked into the discharge chamber (31), but close said transfer opening (11) when substance (2) is discharged from the discharge chamber (31).

Claim 3 (Canceled)

Claim 4 (Currently Amended) Dispensing device according to ~~claim 3~~ claim 1, wherein the dome shaped member (16) has an elastic tongue which defines a valve body (21) for the first non-return valve (20) and at least one other elastic tongue which defines a valve body (25) for the second non-return valve (24).

Claim 5 (Original) Dispensing device according to claim 4, wherein the dome shaped member (16) and the valve bodies (21, 25) of the first and second non-return valves (20, 24) are made in one piece of elastic material.

Claim 6 (Original) Dispensing device according to claim 4, wherein:

the dome shaped member (16) is, at peripheral parts thereof, provided with a flange (17) which is radially directed relative to said dome shaped member,

the valve body (21) of the first non-return valve (20) is located at peripheral parts of said flange (17) and is directed axially therefrom relative to the dome shaped member (16) such that said valve body (21) can cooperate with a valve seat (22) at a substance inlet opening (23) for letting substance (2) into the suction chamber (30),

the valve body (25) of the second non-return valve (24) is located at the same peripheral parts of the dome shaped member (16) as the flange (17), and

the valve body (25) of the second non-return valve (24) is axially directed relative to the dome shaped member (16) such that it will be situated within and can cooperate with at least one valve seat (26) at at least one substance transfer opening (11) and defined by an upwardly directed wall (10) of the dispensing device (1).

Claim 7 (Original) Dispensing device according to claim 6, wherein:

the flange (17) of the dome shaped member (16) extends in between a lower and an upper member (7, 8) of the discharge housing (3),

parts of the flange (17) situated in the transfer chamber (32) has at least one hole (17a) permitting substance (2) to flow through said transfer chamber (32) from the suction chamber (30) into the discharge chamber (31), and

the dome shaped member (16) can be pressed downwards from an upper position in an upper member (8) of the dispensing device (1) to a lower position in a lower member (7) of said dispensing device (1) for sucking substance (2) into the suction chamber (30) and discharge or outfeed of substance (2) from the discharge chamber (31).

Claim 8 (Currently Amended) Dispensing device for dispensing or discharging a liquid or viscous substance (2) according to claim 1, wherein:

at least one pump means (4) is provided to perform pump motions for sucking said substance (2) into the dispensing device (1) and dispense or discharge it therefrom.

the pump means (4) is provided to divide inner parts of the dispensing device (1) into at least one suction chamber (30) and at least one dispensing or discharge chamber (31) which are interconnected through at least one transfer chamber (32).

the pump means (4) is provided in a dispensing or discharge housing (3) which defines the suction chamber (30), the transfer chamber (32) and the discharge chamber (31) and which comprises a lower and an upper member (7, 8),

the lower and upper members (7, 8) can be interconnected and disconnected,

parts of a flange (17) of the pump means (4) are situated between the lower and upper members (7, 8) when these members are interconnected, such that

said parts of the flange (17) define sealing means between the lower and upper members (7, 8) when said members are interconnected, and

the pump means (4) can be released from the discharge housing (3) by disconnection of the lower and upper members (7, 8),

the pump means (4), during a first pump motion in one direction (A), is provided to suck substance (2) into the suction chamber (30) and simultaneously dispense or discharge substance (2) from the discharge chamber (31), and

the pump means (4), during a second pump motion in the opposite direction (D) relative to the first pump motion, is provided to feed substance (2) from the suction chamber (30) and through the transfer chamber (32) into the discharge chamber (31).

Claim 9 (Original) Dispensing device according to claim 8, wherein the lower and upper members (7, 8) include portions which define a bayonet mount or coupling (44) permitting interconnection and disconnection of said portions, preferably by rotating one of said members (7, 8) relative to the other member (7, 8).

Claim 10 (Original) Dispensing device according to claim 1, wherein the dispensing device (1) is designed as a hand pump which can be held in one hand and operated therewith or with two hands for discharge or feedout of substance (2).

Claim 11 (Currently Amended) Dispensing device according to claim 10, wherein the dispensing device (1) comprises a handle (34) with a first and a second

handle member (35, 36) ~~or similar~~ such that said device (1) can be held in one hand and the pump means (4) operated by effecting the second handle member (36) with one or both hands for dispensing or discharging substance (2) from the dispensing device (1).

Claim 12 (Original) Dispensing device according to claim 11, wherein:

the second handle member (36) is pivotally mounted and designed as a lever with a first and a second shank (39, 40), and

the first shank (39) can be brought to perform pump motions with the hand, said pump motions being transferred to the pump means (4) through the second shank (40).

Claim 13 (Original) Dispensing device according to claim 12, wherein the second shank (40) is designed such that it can be operated with the other hand for supporting the pump motions being brought to the first shank (39) by one hand.

Claim 14 (Original) Dispensing device according to claim 1, wherein the dispensing device (1) comprises a piston means (13) which is provided to bring the pump means (4) to perform pump motions, said piston means (13) being displaceably mounted in a sleeve (12) which is located on a dispensing or discharge housing (3) forming part of the dispensing device (1) and through which the piston means (13) extends into said housing (3).

Claim 15 (Currently Amended) Dispensing device according to ~~claim 1~~
claim 14, wherein at least one sealing means (45) is provided to bring about a
sealing between the piston means (13) and the sleeve (12).

Claim 16 (Currently Amended) Dispensing device according to claim 1,
wherein:

at least one dispensing or discharge pipe (9) ~~or similar~~ is provided for
dispensing or discharging substance (2),

a third non-return valve (27) is located on the discharge pipe (9),

the third non-return valve (27) is a hose member (28) which is threaded
into or onto said discharge pipe (9) and which has a closed outer end (29),

the outer end (29) of the hose member (28) can be opened when
substance (2) is pressing against said outer end, and

the outer end (29) of the hose member (28) automatically returns to
closed shape when the pressure of substance (2) against it ceases.

Claim 17 (Original) Dispensing device according to any claim 1, wherein the
amount of substance (2) which is dispensed or discharged by means of the pump
means (4) can be altered by replacing a piston means (13) which is provided to
effect the pump means (4) for discharge of the substance (2), with another piston
means (13) having another length and/or diameter.

Claim 18 (Original) Dispensing device according to claim 1, wherein the dispensing device (1) comprises or consists of the following four members which for separate cleaning are disconnectable from each other and then reconnectable, namely:

a lower and an upper member (7, 8), forming part of a dispensing or discharge housing (3) and disconnectable from each other,

a pump means (4) with valve bodies (21, 25) for first and second non-return valves (20, 24), said pump means (4) being located between said lower and upper members (7, 8) and disconnectable therefrom, and

a piston means (13) for effecting the pump means (4), said piston means (13) being releasable mounted on said upper member (8).

Claim 19 (Currently Amended) Dispensing device for dispensing or discharging a liquid or viscous substance (2) according to claim 1, wherein:

it comprises a dispensing or discharge housing (3) having a lower and an upper member (7, 8) which are interconnectable,

the lower member (7) is rotatable relative to the upper member (8) about an imaginary geometric centre line (CL),

the lower member (7) has a dispensing or discharge pipe (9) or similar, through which substance (2) can be dispensed or discharged from the discharge housing (3),

the discharge pipe (9) is eccentrically located relative to the centre line (CL), and

the discharge pipe (9) can be set in different rotary positions relative to the centre line (CL) by rotating the lower member (7) relative to the upper member (8).

at least one pump means (4) is provided to perform pump motions for sucking said substance (2) into the dispensing device (1) and dispense or discharge it therefrom.

the pump means (4) is provided to divide inner parts of the dispensing device (1) into at least one suction chamber (30) and at least one dispensing or discharge chamber (31) which are interconnected through at least one transfer chamber (32).

the pump means (4), during a first pump motion in one direction (A), is provided to suck substance (2) into the suction chamber (30) and simultaneously dispense or discharge substance (2) from the discharge chamber (31), and

the pump means (4), during a second pump motion in the opposite direction (D) relative to the first pump motion, is provided to feed substance (2) from the suction chamber (30) and through the transfer chamber (32) into the discharge chamber (31).

Claim 20 (Currently Amended) Dispensing device according to claim 1, wherein the dispensing device (1) is connected to a container (5) with substance (2) through a hose (6) or similar and that the pump means (4) is provided to suck substance (2) from the container (5) through the hose (6) into the suction chamber (30).

Claim 21 (Currently Amended) Dispensing device according to claim 20, wherein the container (5) is a flexible container, ~~e.g., a plastic bag~~, which is designed to collapse when substance (2) is sucked out of said container (5).

Claim 22 (Currently Amended) Dispensing device according to claim 1, wherein said substance (2) is mustard, ketchup, mayonnaise, dressing or cooking oil which shall be dispensed or discharged onto one or more locations, ~~e.g., one or more dishes~~.